

	Pennsylvania State Fire Academy	
	717.248.1115 In PA: 1.800.459.4096	1150 Riverside Drive Lewistown, PA 17044-1979
	FAX 717.248.3580	www.osfc.state.pa.us
Minimum Standard for Accreditation (MSA)		

Date: October 18, 2014
Last Revision: ----, --, ----

Course Title: Fire Dynamics: Strategy and Tactics

SFA Course Code: FDST

Course Length: 3 Hours **Lecture/Lab Breakdown:** 3/0

Prerequisites: Fire Dynamics: Fundamentals (FDF)

Referenced Text(s): None

Course Goal: Upon completion of this course, the student shall understand how strategy and tactics can be implemented using the newly revised evidence based research for fire ground operations.

Course Description: This course provides the firefighter the basic knowledge of strategy and tactics and how to apply the evidence based fire research conducted by Underwriters Laboratories (UL), National Institute of Standards and Technology (NIST), Alcohol Tobacco and Firearms (ATF) and other fire service organizations to fire ground operations. This course introduces new terminology related to fire dynamics, ventilation, flow paths, door control, transitional fire attack, basement fires, and new concepts for developing strategy and tactics.

Description of Methodology: Combination of lecture with video presented by guided discussion.

Student Equipment & Supplies: Student note taking material

Equipment/Audiovisual/Facility/Supply Requirements:

1. Classroom setup with seating, computer, projection equipment with screen
2. One copy of Instructor Manual and PowerPoint Presentation (CD/thumb drive)
3. One copy of Student Handout on terminology for each student (recommended)

Special Notes & Conditions: None

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<u>Time (minutes)</u>	<u>Topic</u>	<u>Course Outline</u>	<u>Notes</u>
0:15	Introduction: Paperwork, Instructors, Students		
0:15	Lesson 1: Fire Dynamics – Lessoned Learned		
0:45	Lesson 2: Ventilation impacts Fire Dynamics		
0:15	Lesson 3: Ventilation and Pressurized Fires		
0:45	Lesson 4: Fire Dynamics and Transitional Fire Attack		
0:15	Lesson 5: Basement Fires		
0:15	Lesson 6: Strategy and Tactics		
0:15	Conclusion: Questions and Answers		

Competency Evaluation Mechanism: Instructor assessment of student responses during periodic questioning.

Learning Outcomes (Behavioral Objectives):

1. Prepare firefighters to understand the critical interactions of fire within structures to improve firefighter safety and fire ground application.
2. Redefining size up, basic fire attack techniques and the importance of coordinated ventilation with tactics that fit the conditions encountered.
3. Improve firefighter situational awareness based on studying fire dynamics.

Questions/Comments: Please contact the Assistant State Fire Academy Administrator